

# Index to volume 73

## Author index

### A

- Ajlouni R. (see Bishara S.E. et al). 2003;73:431-435  
 Alarashi M., Franchi L., Marinelli A., Defraia E., Morphometric Analysis of the Transverse Dentoskeletal Features of Class II Malocclusion in the Mixed Dentition. 2003;73:21-25  
 Allen D., Rebello J., Sheats R., Ceron A.M., Skeletal and Dental Contributions to Posterior Crossbites. 2003;73:515-524  
 Arici N. (see Arici S. et al). 2003;73:692-696  
 Arici S., Arici N., Effects of Thermocycling on the Bond Strength of a Resin-Modified Glass Ionomer Cement: An In Vitro Comparative Study. 2003;73:692-696  
 Arat Z.M., Gökalp H., Atasever T., Türkkanhraman H., <sup>99m</sup>Tc-Methylene Labeled Methylene Diphosphonate Uptake in Maxillary Bone During and After Rapid Maxillary Expansion. 2003;73:545-549  
 Arat Z.M., Rübendüz M., Arman Akgül A., The Displacement of Craniofacial Reference Landmarks During Puberty: A Comparison of Three Superimposition Methods. 2003;73:374-380  
 Araujo E., Souki M., Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups. 2003;73:307-313  
 Arman Akgül A. (see Arat Z.M. et al). 2003;73:374-380  
 Arun T., Isik F., Sayinsu K., Vertical Growth Changes After Adenoidec-tomy. 2003;73:146-150  
 Atasever T. (see Arat Z.M. et al). 2003;73:545-549

### B

- Babacan H. (see Doruk C. et al). 2003;73:763-768  
 Baccetti T. (see Faltin K. et al). 2003;73:221-230  
 Baccetti T. (see McNamara J.A. et al). 2003;73:344-353  
 Bantleon H.P. (see Gündüz E. et al). 2003;73:239-243  
 Bantleon H.P. (see Gündüz E. et al). 2003;73:244-248  
 Barbato E. (see Leonardi R. et al). 2003;73:466-470  
 Basciftci F., Usumez S., Effects of Extraction and Nonextraction Treatment on Class I and Class II Subjects. 2003;73:36-42  
 Basciftci F. (see Sari Z. et al). 2003;73:654-661  
 Baumrind S. (see Lieber W.S. et al). 2003;73:556-564  
 Bayramoglu O. (see Serdar Toroglu M. et al). 2003;73:571-578  
 Beane R.A., Reimann G., Phillips C., Tulloch C., A Cephalometric Comparison of Black Open-Bite Subjects and Black Normals. 2003;73:294-300  
 Bicakci A. (see Doruk C. et al). 2003;73:763-768  
 Bishara S.E., Ajlouni R., Oonsombat C., Evaluation of a New Curing Light on the Shear Bond Strength of Orthodontic Brackets. 2003;73:431-435  
 Bishara S.E. (see Taspinar F. et al). 2003;73:669-673  
 Bismayer U. (see Klocke A. et al). 2003;73:176-180  
 Bismayer U. (see Klocke A. et al). 2003;73:445-450  
 Bismayer U. (see Klocke A. et al). 2003;73:697-701  
 Bjerklin K. (see D'Amico R. et al). 2003;73:231-238  
 Bondemark L. (see Petren S. et al). 2003;73:588-596  
 Burch J. (see Sherwood K.H. et al). 2003;73:597-601  
 Burden D. (see Lux C.J. et al). 2003;73:674-685  
 Buschang P.H., Shulman J.D., Incisor Crowding in Untreated Persons 15-50 Years of Age: United States, 1988-1994. 2003;73:502-508  
 Buyukyilmaz T., Usumez S., Karaman A., Effect of Self-Etching Primers on Bond Strength—Are They Reliable? 2003;73:64-70

### C

- Çakirer B. (see Taner T. et al). 2003;73:686-691  
 Calabiano M. (see Leonardi R. et al). 2003;73:466-470  
 Camilleri S., Scerri E., Transmigration of Mandibular Canines—A Review of the Literature and a Report of Five Cases. 2003;73:753-762  
 Carlson S.K. (see Lieber W.S. et al). 2003;73:556-564  
 Carlsson G.E. (see Egermark I. et al). 2003;73:109-115  
 Ceron A.M. (see Allen D. et al). 2003;73:515-524

- Ceylanoglu C. (see Küçükkeleş N. et al). 2003;73:662-668  
 Cha K., Skeletal Changes of Maxillary Protraction in Patients Exhibiting Skeletal Class III Malocclusion: A Comparison of Three Skeletal Maturation Groups. 2003;73:26-35  
 Chou B. (see Rabie A.B.M. et al). 2003;73:457-465  
 Chung K. (see Kim S. et al). 2003;73:206-212  
 Crismani A.G. (see Gündüz E. et al). 2003;73:239-243  
 Crismani A.G. (see Gündüz E. et al). 2003;73:244-248  
 Chul Tae K., Ging Gong S., Ki Min S., Whan Oh S., Use of Distraction Osteogenesis in Cleft Palate Patients. 2003;73:602-607  
 Conley R., Legan H., Mandibular Symphyseal Distraction Osteogenesis: Diagnosis and Treatment Planning Considerations. 2003;73:3-11  
 Conrad C. (see Lux C.J. et al). 2003;73:674-685  
 Conti A., Freitas M., Conti P., Henriques J., Janson G., Relationship Between Signs and Symptoms of Temporomandibular Disorders and Orthodontic Treatment: A Cross-sectional Study. 2003;73:411-417  
 Conti P. (see Conti A. et al). 2003;73:411-417  
 Coups-Smith K.S., Rossouw P.E., Titley K.C., Glass Ionomer Cements as Luting Agents for Orthodontic Brackets. 2003;73:436-444

### D

- Daimaruya T., Takahashi I., Nagasaka H., Umemori M., Sugawara J., Mitani H., Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs. 2003;73:158-166  
 D'Amico R., Bjerklin K., Kuroi J., Falahat B., Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines. 2003;73:231-238  
 Davidovitch M. (see Geron S. et al). 2003;73:730-737  
 Defraia E. (see Alarashi M. et al). 2003;73:21-25  
 de la Higuera B. (see Toledano M. et al). 2003;73:56-63  
 del Pozo R., Tanaka E., Tanaka M., Kato M., Iwabe T., Hirose M., Tanne K., Influence of Friction at Articular Surfaces of the Temporomandibular Joint on Stresses in the Articular Disk: A Theoretical Approach with the Finite Element Method. 2003;73:319-327  
 de Oliveira Ruellas A. (see Lima Filho R.M.A. et al). 2003;73:187-193  
 de Oliveira Ruellas A. (see Lima Filho R.M.A. et al). 2003;73:745-752  
 Dinçer M., Meral O., Tümer N., The Investigation of Occlusal Contacts During the Retention Period. 2003;73:640-646  
 Dolanmaz D., Ihyar Karaman A., Durmus E., Malkoc S., Management of Alveolar Clefts Using Dento-osseous Transport Distraction Osteogenesis. 2003;73:723-729  
 Dolanmaz D., Karaman A., Ozyesil A., Maxillary Anterior Segmental Advancement by Using Distraction Osteogenesis: A Case Report. 2003;73:201-205  
 Doruk C. (see Sari Z. et al). 2003;73:286-293  
 Du X. (see Rabie A.B.M. et al). 2003;73:457-465  
 Durmus E. (see Dolanmaz D. et al). 2003;73:723-729  
 Doruk C., Bicakci A., Babacan H., Orthodontic and Orthopedic Treatment of a Patient with Incontinentia Pigmenti. 2003;73:763-768  
 Dr. John S. Kloehe, Appleton, Wisconsin. 2003;73:100-101.  
 Du X., Hägg U., Muscular Adaptation to Gradual Advancement of the Mandible. 2003;73:525-531

### E

- Egermark I., Magnusson T., Carlsson G.E., A 20-Year Follow-up of Signs and Symptoms of Temporomandibular Disorders and Malocclusions in Subjects With and Without Orthodontic Treatment in Childhood. 2003;73:109-115  
 Ehmer U. (see Hohoff A. et al). 2003;73:579-587  
 El-Bialy T., El-Shamy I., Graber T.M., Growth Modification of the Rabbit Mandible Using Therapeutic Ultrasound: Is it Possible to Enhance Functional Appliance Results? 2003;73:631-639  
 El-Shamy I. (see El-Shamy I. et al). 2003;73:631-639  
 English J.D. (see Murphy C.C. et al). 2003;73:396-400  
 Erratum. 2003;73:485-485

Erverdi N. (see Keles A. et al). 2003;73:471-482

## F

- Falahat B. (see D'Amico R. et al). 2003;73:231-238  
 Faltin K., Faltin R.M., Baccetti T., Franchi L., Ghiozzi B., McNamara J.A., Long-term Effectiveness and Treatment Timing for Bionator Therapy. 2003;73:221-230  
 Faltin R.M. (see Faltin K. et al). 2003;73:221-230  
 Fischer S. (see Pancherz H. et al). 2003;73:493-501  
 Franchi L. (see Alarashi et al). 2003;73:21-25  
 Franchi L. (see Faltin K. et al). 2003;73:221-230  
 Franchi L. (see McNamara J.A. et al). 2003;73:344-353  
 Frazier-Bowers S.A. (see Murphy C.C. et al). 2003;73:396-400  
 Freitas M. (see Conti A. et al). 2003;73:411-417

## G

- García-Godoy F. (see Toledano M. et al). 2003;73:56-63  
 Geron S., Shpack N., Kandos S., Davidovitch M., Vardimon A.D., Anchorage Loss—A Multifactorial Response. 2003;73:730-737  
 Ghiozzi B. (see Faltin K. et al). 2003;73:221-230  
 Gianelly A.A. (see Kim E. et al). 2003;73:354-358  
 Gidarakou I.K., Tallents R.H., Kyrkanides S., Stein S., Moss M., Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease. 2003;73:71-78  
 Gidarakou I.K., Tallents R.H., Kyrkanides S., Stein S., Moss M.E., Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Normal Temporomandibular Joints. 2003;73:116-120  
 Gidarakou I.K., Tallents R.H., Kyrkanides S., Stein S., Moss M.E., Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction. 2003;73:121-127  
 Ging Gong S. (see Chul Tae K. et al). 2003;73:602-607  
 Glover K.E. (see Kersey M.L. et al). 2003;73:181-186  
 Glover K.E. (see Roth S.F. et al). 2003;73:43-50  
 Gökalp H., Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism. 2003;73:550-555  
 Gökalp H. (see Arat Z.M. et al). 2003;73:545-549  
 Goyenc Y. (see Sari Z. et al). 2003;73:286-293  
 Graber T.M. (see El-shamy I. et al). 2003;73:631-639  
 Gu Y. (see Lin J. et al). 2003;73:401-410  
 Gündüz E., Crismani A.G., Bantleon H.P., Hönigl K.D., Zachrisson B.U., An Improved Transpalatal Bar Design. Part II. Clinical Upper Molar Derotation—Case Report. 2003;73:244-248  
 Gündüz E., Zachrisson B.U., Hönigl K.D., Crismani A.G., Bantleon H.P., An Improved Transpalatal Bar Design. Part I. Comparison of Moments and Forces Delivered by Two Bar Designs for Symmetrical Molar Derotation. 2003;73:239-243  
 Gunson M.J., Letters from Our Readers. 2003;73:629-630

## H

- Hägg U. (see Du X. et al). 2003;73:525-531  
 Hägg U. (see Rabie A.B.M. et al). 2003;73:457-465  
 Haufe S. (see Hohoff A. et al). 2003;73:579-587  
 Hayakawa T., Response from Dr. Hayakawa. 2003;73:220-220  
 Hayakawa T. (see Kawasaki M. et al). 2003;73:702-709  
 Hayashi K., Uechi J., Mizoguchi I., Three-Dimensional Analysis of Dental Casts Based on a Newly Defined Palatal Reference Plane. 2003;73:539-544  
 Hayes C. (see Thomas J.L. et al). 2003;73:359-364  
 Henriques J. (see Conti A. et al). 2003;73:411-417  
 Heo G. (see Kersey M.L. et al). 2003;73:181-186  
 Heo G. (see Roth S.F. et al). 2003;73:43-50  
 Herberger T.A. (see McNamara J.A. et al). 2003;73:344-353  
 Hice T., In Memoriam: Laurel Edward Brown. 2003;73:483-484  
 Hirose M. (see del Pozo R. et al). 2003;73:319-327  
 Hiyama S., Ono T., Ishiwata Y., Kuroda T., Ohshima K., Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep. 2003;73:151-157

- Hohoff A., Stamm T., Kühne N., Wiechmann D., Haufe S., Lippold C., Ehmer U., Effects of a Mechanical Interdental Cleaning Device on Oral Hygiene in Patients with Lingual Brackets. 2003;73:579-587  
 Hönigl K.D. (see Gündüz E. et al). 2003;73:239-243  
 Hönigl K.D. (see Gündüz E. et al). 2003;73:244-248  
 Huggare J.A.V. (see Zilberman O. et al). 2003;73:301-306  
 Hsieh T. (see Lee B. et al). 2003;73:565-570  
 Hsu Y. (see Lee B. et al). 2003;73:565-570

## I

- Ihya Karaman A. (see Dolanmaz D. et al). 2003;73:723-729  
 Isaacson R.J., The Commoditization of Orthodontics. 2003;73:9-744  
 Isaacson R.J., Want to Transition Your Practice? 2003;73:1  
 Isaacson R.J., Orthodontic Information—A Lot More Coins in the Realm. 2003;73:106  
 Isaacson R.J., Orthodontic Education and Training: Where's the Beef? 2003;73:340  
 Isaacson R.J., Orthodontic Education—Who Pays the Bills? 2003;73:490  
 Ishiwata Y. (see Hiyama S. et al). 2003;73:151-157  
 Isik F. (see Arun T. et al). 2003;73:146-150  
 Iwabe T. (see del Pozo R. et al). 2003;73:319-327  
 Iwabe T. (see Tanaka E. et al). 2003;73:608-613

## J

- Jafari A., Shetty K.S., Kumar M., Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study. 2003;73:12-20  
 Janson G. (see Conti A. et al). 2003;73:411-417  
 Jeon K. (see Kim K. et al). 2003;73:614-621  
 Ježina M.A. (see Šljaj M. et al). 2003;73:259-269

## K

- Kahl-Nieke B. (see Klocke A. et al). 2003;73:176-180  
 Kahl-Nieke B. (see Klocke A. et al). 2003;73:445-450  
 Kahl-Nieke B. (see Klocke A. et al). 2003;73:697-701  
 Kandos S. (see Geron S. et al). 2003;73:730-737  
 Karaman A. (see Buyukyilmaz T. et al). 2003;73:64-70  
 Karaman A. (see Dolanmaz D. et al). 2003;73:201-205  
 Karaman A. (see Dolanmaz D. et al). 2003;73:723-729  
 Kasai K. (see Kawasaki M. et al). 2003;73:702-709  
 Kato M. (see del Pozo R. et al). 2003;73:319-327  
 Kato M. (see Tanaka E. et al). 2003;73:608-613  
 Katsavrias E.G., The Effect of Mandibular Protrusive (Activator) Appliances on Articular Eminence Morphology. 2003;73:647-653  
 Kawasaki M., Hayakawa T., Takizawa T., Sirirungrojying S., Saitoh K., Kasai K., Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets. 2003;73:702-709  
 Keles A., Response from Dr. Keles. 2003;73:343  
 Keles A., Erverdi N., Sezen S., Bodily Distalization of Molars with Absolute Anchorage. 2003;73:471-482  
 Kersey M.L., Glover K.E., Heo G., Raboud D., Major P.W., A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics. 2003;73:181-186  
 Kersey M.L., Nebbe B., Major P.W., Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review. 2003;73:79-85  
 Kim E., Gianelly A.A., Extraction vs Nonextraction: Arch Widths and Smile Esthetics. 2003;73:354-358  
 Ki Min S. (see Chul Tae K. et al). 2003;73:602-607  
 Kim K., Ruprecht A., Jeon K., Park C., Personal Computer-Based Three-Dimensional Computed Tomographic Images of the Teeth for Evaluating Supernumerary or Ectopically Impacted Teeth. 2003;73:614-621  
 Kim S., Park Y., Chung K., Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics. 2003;73:206-212  
 Kirjavainen M., Kirjavainen T., Maxillary Expansion in Class II Correction with Orthopedic Cervical Headgear. A Posteroanterior Cephalometric Study. 2003;73:281-285  
 Kirjavainen T. (see Kirjavainen M. et al). 2003;73:281-285

- Kitayama Y., Komori A., Nakahara R., Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain. 2003; 73:451-456
- Klocke A., Shi J., Kahl-Nieke B., Bismayer U., Bond Strength with Custom Base Indirect Bonding Techniques. 2003;73:176-180
- Klocke A., Shi J., Kahl-Nieke B., Bismayer U., In Vitro Investigation of Indirect Bonding with a Hydrophilic Primer. 2003;73:445-450
- Klocke A., Shi J., Kahl-Nieke B., Bismayer U., In Vitro Evaluation of a Moisture-Active Adhesive for Indirect Bonding. 2003;73:697-701
- Kokich V., What's New in Dentistry. 2003;73:1-2
- Kokich V., What's New in Dentistry. 2003;73:107-108
- Kokich V., What's New in Dentistry. 2003;73:217-218
- Kokich V., What's New in Dentistry. 2003;73:341-342
- Kokich V., What's New in Dentistry. 2003;73:491-492
- Kokich V., What's New in Dentistry. 2003;73:627-628
- Komori A. (see Kitayama Y. et al). 2003;73:451-456
- Komposch G. (see Lux C.J. et al). 2003;73:674-685
- Kopher R.A. (see Mao J.J. et al). 2003;73:128-135
- Küçükkeleş N., Ceylanoglu C., Changes in Lip, Cheek, and Tongue Pressures After Rapid Maxillary Expansion Using a Diaphragm Pressure Transducer. 2003;73:662-668
- Kusy R. (see Thorstenson G. et al). 2003;73:167-175
- Kusy R.P. (see Thorstenson G.A. et al). 2003;73:418-430
- Kuftinec M.M. (see Shapira Y. et al). 2003;73:738-743
- Kuhlberg A.J., Priebe D., Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops. 2003;73:270-280
- Kühne N. (see Hohoff A. et al). 2003;73:579-587
- Kuijpers-Jagtman A. (see Ren Y. et al). 2003;73:86-92
- Kumar M. (see Jafari A. et al). 2003;73:12-20
- Kurel, J. (see D'Amico R. et al). 2003;73:231-238
- Kuroda T. (see Hiyama S. et al). 2003;73:151-157
- Kyrkanides S. (see Gidarakou I.K. et al). 2003;73:71-78
- Kyrkanides S. (see Gidarakou I.K. et al). 2003;73:116-120
- Kyrkanides S. (see Gidarakou I.K. et al). 2003;73:121-127

## L

- Lan W. (see Lee B. et al). 2003;73:565-570
- Lauc T. (see Šljaj M. et al). 2003;73:509-514
- Lee B., Hsieh T., Lee Y., Lan W., Hsu Y., Wen P., Lin C., Bond Strengths of Orthodontic Bracket After Acid-Etched, Er:YAG Laser-Irradiated and Combined Treatment on Enamel Surface. 2003;73:565-570
- Lee Y. (see Lee B. et al). 2003;73:565-570
- Legan H. (see Conley R. et al). 2003;73:3-11
- Legović A. (see Legović M. et al). 2003;73:314-318
- Legović M., Novosel A., Legović A., Regression Equations for Determining Mesiodistal Crown Diameters of Canines and Premolars. 2003; 73:314-318
- Leonardi R., Peck S., Caltabiano M., Barbato E., Palatally Displaced Canine Anomaly in Monozygotic Twins. 2003;73:466-470
- Lieber W.S., Carlson S.K., Baumrind S., Poulton D.R., Clinical Use of the ABO-Scoring Index: Reliability and Subtraction Frequency. 2003;73: 556-564
- Lima A. (see Lima Filho R.M.A. et al). 2003;73:187-193
- Lima A. (see Lima Filho R.M.A. et al). 2003;73:745-752
- Lima Filho R.M.A., Lima A., de Oliveira Ruellas A., Spontaneous Correction of Class II Malocclusion After Rapid Palatal Expansion. 2003; 73:745-752
- Lima Filho R.M.A., Lima A., de Oliveira Ruellas A., Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehe Cervical Headgear. 2003;73:187-193
- Lin C. (see Lee B. et al). 2003;73:565-570
- Lin J., Gu Y., Preliminary Investigation of Nonsurgical Treatment of Severe Skeletal Class III Malocclusion in the Permanent Dentition. 2003; 73:401-410
- Lippold C. (see Hohoff A. et al). 2003;73:579-587
- Lux C.J., Conradt C., Burden D., Komposch G., Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions. 2003;73:674-685
- Lux C.J. (see Schuster G. et al). 2003;73:136-145

## M

- Magness W.B. (see Murphy C.C. et al). 2003;73:396-400
- Magnusson T. (see Egermark I. et al). 2003;73:109-115
- Major P.W. (see Kersey M.L. et al). 2003;73:79-85
- Major P.W. (see Kersey M.L. et al). 2003;73:181-186
- Major P.W. (see Roth S.F. et al). 2003;73:43-50
- Malkoc S. (see Dolanmaz D. et al). 2003;73:723-729
- Malkoc S. (see Orhan M. et al). 2003;73:194-200
- Maltha J.C. (see Ren Y. et al). 2003;73:86-92
- Mao J.J., Wang X., Kopher R.A., Biomechanics of Craniofacial Sutures: Orthopedic Implications. 2003;73:128-135
- Marinelli A. (see Alarashi et al). 2003;73:21-25
- McIntyre G.T., Millett D.T., Crown-Root Shape of the Permanent Maxillary Central Incisor. 2003;73:710-715
- McNamara J.A., Baccetti T., Franchi L., Herberger T.A., Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions. 2003;73:344-353
- McNamara J.A. (see Faltin K. et al). 2003;73:221-230
- Meral O., Yüksel S., Skeletal and Dental Effects During Observation and Treatment with a Magnetic Device. 2003;73:716-722
- Meral O. (see Dinçer M. et al). 2003;73:640-646
- Mikić M. (see Šljaj M. et al). 2003;73:509-514
- Millett D.T. (see McIntyre G.T. et al). 2003;73:710-715
- Mitani H. (see Daimaruya T. et al). 2003;73:158-166
- Mizoguchi I. (see Hayashi K. I.K. et al). 2003;73:539-544
- Moss M. (see Gidarakou I.K. et al). 2003;73:71-78
- Moss M.E. (see Gidarakou I.K. et al). 2003;73:116-120
- Murphy C.C., Magness W.B., English J.D., Frazier-Bowers S.A., Salas A., A Longitudinal Study of Incremental Expansion Using a Mandibular Lip Bumper. 2003;73:396-400

## N

- Nagasaka H. (see Daimaruya T. et al). 2003;73:158-166
- Nakahara R. (see Kitayama Y. et al). 2003;73:451-456
- Nebbe B. (see Kersey M.L. et al). 2003;73:79-85
- Newman G.V., Newman R.A., Letters from Our Readers. 2003;73:219-219
- Newman R.A. (see Newman G.V. et al). 2003;73:219
- Nikolai R.J., Letters from Our Readers. 2003;73:342
- Noel L., Rebello J., Sheats R.D., The Effect of Argon Laser Irradiation on Demineralization Resistance of Human Enamel Adjacent to Orthodontic Brackets: An In Vitro Study. 2003;73:249-258
- Novosel A. (see Legović M. et al). 2003;73:314-318

## O

- Ohyama K. (see Hiyama S. et al). 2003;73:151-157
- Ono T. (see Hiyama S. et al). 2003;73:151-157
- Oonsombat C. (see Bishara S.E. et al). 2003;73:431-435
- Orhan M., Malkoc S., Usumez S., Uckan S., Mandibular Symphyseal Distraction and Its Geometrical Evaluation: Report of a Case. 2003;73: 194-200
- Osorio E. (see Toledano M. et al). 2003;73:56-63
- Osorio R. (see Toledano M. et al). 2003;73:56-63
- Ozyesil A. (see Dolanmaz D. et al). 2003;73:201-205

## P

- Pae E., On Reference Points—Cartesian vs Lagrangian. 2003;73:216-216
- Pancherz H., Fischer S., Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation. 2003;73:493-501
- Parikakis K.A. (see Zilberman O. et al). 2003;73:301-306
- Park C. (see Kim K. et al). 2003;73:614-621
- Park Y. (see Kim S. et al). 2003;73:206-212
- Peck S., Commentary: Intrabony Migration of Impacted Teeth. 2003;73: 744-744
- Peck S. (see Leonardi R. et al). 2003;73:466-470
- Pehlivanoglu M. (see Taner T. et al). 2003;73:686-691
- Petrén S., Bondemark L., Söderfeldt B., A Systematic Review Concerning Early Orthodontic Treatment of Unilateral Posterior Crossbite. 2003;73: 588-596

- Phillips C. (see Beane R.A. et al). 2003;73:294-300  
 Poulton D.R. (see Lieber W.S. et al). 2003;73:556-564  
 Priebe D. (see Kuhlberg A.J. et al). 2003;73:270-280

## R

- Rabie A.B.M., Tsai M., Hägg U., Du X., Chou B., The Correlation of Replicating Cells and Osteogenesis in the Condyle During Stepwise Advancement. 2003;73:457-465  
 Raboud D. (see Kersey M.L. et al). 2003;73:181-186  
 Rajić-Mestrović S. (see Šljaj M. et al). 2003;73:509-514  
 Rebellato J., Schabel B., Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine. 2003;73:328-336  
 Rebellato J. (see Allen, D. et al). 2003;73:515-524  
 Rebellato J. (see Noel L. et al). 2003;73:249-258  
 Reimann G. (see Beane R.A. et al). 2003;73:294-300  
 Ren Y., Maltha J.C., Kuijpers-Jagtman A., Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review. 2003;73:86-92  
 Ribeiro E. (see Rossi M. et al). 2003;73:381-385  
 Romeo A. (see Toledano M. et al). 2003;73:56-63  
 Rossi M., Ribeiro E., Smith R., Craniofacial Asymmetry in Development: An Anatomical Study. 2003;73:381-385  
 Rossouw P.E. (see Coups-Smith K.S. et al). 2003;73:436-444  
 Roth S.F., Heo G., Varnhagen C., Glover K.E., Major P.W., Occupational Stress Among Canadian Orthodontists. 2003;73:43-50  
 Rübendüz M. (see Arat Z.M. et al). 2003;73:374-380  
 Ruprecht A. (see Kim K. et al). 2003;73:614-621

## S

- Saitoh K. (see Kawasaki M. et al). 2003;73:702-709  
 Salas A. (see Murphy C.C. et al). 2003;73:396-400  
 Sari Z., Goyenc Y., Doruk C., Usumez S., Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination. 2003;73:286-293  
 Sari Z., Uysal T., Usumez S., Basciftci F., Rapid Maxillary Expansion. Is it Better in the Mixed or in the Permanent Dentition? 2003;73:654-661  
 Scerri E. (see Camilleri S. et al). 2003;73:753-762  
 Schabel B. (see Rebellato J. et al). 2003;73:328-336  
 Schuster G., Lux C.J., Stellzig-Eisenhauer A., Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery. 2003;73:136-145  
 Serdar Toroglu M., Bayramoglu O., Yarkin F., Tuli A., Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures. 2003;73:571-578  
 Sezen S. (see Keles A. et al). 2003;73:471-482  
 Shapira Y., Kuftinec M.M., Intrabony Migration of Impacted Teeth. 2003;73:738-743  
 Sheats R. (see Allen, D. et al). 2003;73:515-524  
 Sheats R.D. (see Noel L. et al). 2003;73:249-258  
 Shell T., Woods M., Letters from Our Readers. 2003;73:629-630  
 Shell T.L., Woods M.G., Perception of Facial Esthetics: A Comparison of Similar Class II Cases Treated with Attempted Growth Modification or Later Orthognathic Surgery. 2003;73:365-373  
 Sherwood K.H., Burch J., Thompson W., Intrusion of Supererupted Molars with Titanium Miniplate Anchorage. 2003;73:597-601  
 Shetty K.S. (see Jafari A. et al). 2003;73:12-20  
 Shulman J.D. (see Buschang P.H. et al). 2003;73:502-508  
 Shi J. (see Klocke A. et al). 2003;73:697-701  
 Shi J. (see Klocke A. et al). 2003;73:176-180  
 Shi J. (see Klocke A. et al). 2003;73:445-450  
 Sirirungrojying S. (see Kawasaki M. et al). 2003;73:702-709  
 Shpack N. (see Geron S. et al). 2003;73:730-737  
 Šljaj M., Ježina M.A., Lauc T., Rajić-Mestrović S., Mikić M., Longitudinal Arch Changes in the Mixed Dentition. 2003;73:509-514  
 Smith R. (see Rossi M. et al). 2003;73:381-385  
 Süderfeldt B. (see Petrén S. et al). 2003;73:588-596  
 Souki M. (see Araujo E. et al). 2003;73:307-313  
 Stamm T. (see Hohoff A. et al). 2003;73:579-587  
 Stein S. (see Gidarakou I.K. et al). 2003;73:116-120  
 Stein S. (see Gidarakou I.K. et al). 2003;73:116-120  
 Stein S. (see Gidarakou I.K. et al). 2003;73:121-127

- Stellzig-Eisenhauer A. (see Schuster G. et al). 2003;73:136-145  
 Sugawara J. (see Daimaruya T. et al). 2003;73:158-166

## T

- Takahashi I. (see Daimaruya T. et al). 2003;73:158-166  
 Takizawa T. (see Kawasaki M. et al). 2003;73:702-709  
 Tallents R.H. (see Gidarakou I.K. et al). 2003;73:71-78  
 Tallents R.H. (see Gidarakou I.K. et al). 2003;73:116-120  
 Tallents R.H. (see Gidarakou I.K. et al). 2003;73:121-127  
 Tanaka E., Iwabe T., Watanabe M., Kato M., Tanne K., An Adolescent Case of Anterior Open Bite with Masticatory Muscle Dysfunction. 2003;73:608-613  
 Tanaka E. (see del Pozo R. et al). 2003;73:319-327  
 Tanaka M. (see del Pozo R. et al). 2003;73:319-327  
 Taneer T., Yukay F., Pehlivanoglu M., Çak&inodotRr B., A Comparative Analysis of Maxillary Tooth Movement Produced by Cervical Headgear and Pend-X Appliance. 2003;73:686-691  
 Tanne K. (see Tanaka E. et al). 2003;73:608-613  
 Taşpinar F., Üçüncü H., Bishara S.E., Rapid Maxillary Expansion and Conductive Hearing Loss. 2003;73:669-673  
 Taylor H., Use of a Tip-Edge Stage-1 Wire to Enhance Vertical Control During Straight Wire Treatment: Two Case Reports. 2003;73:93-99  
 Thomas J.L., Hayes C., Zawaideh S., The Effect of Axial Midline Angulation on Dental Esthetics. 2003;73:359-364  
 Thompson W. (see Sherwood K.H. et al). 2003;73:597-601  
 Thorstenson G., Kusy R., Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States. 2003;73:167-175  
 Thorstenson G.A., Kusy R.P., Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States. 2003;73:418-430  
 Titley K.C. (see Coups-Smith K.S. et al). 2003;73:436-444  
 Toledano M., Osorio R., Osorio E., Romeo A., de la Higuera B., García-Godoy F., Bond Strength of Orthodontic Brackets Using Different Light and Self-Curing Cements. 2003;73:56-63  
 Trenouth M., Do Failed Appointments Lead to Discontinuation of Orthodontic Treatment? 2003;73:51-55  
 Tsai M. (see Rabie A.B.M. et al). 2003;73:457-465  
 Tuli A. (see Serdar Toroglu M. et al). 2003;73:571-578  
 Tulloch C. (see Beane R.A. et al). 2003;73:294-300  
 Tümer N. (see Dinger M. et al). 2003;73:640-646  
 Türkahraman H. (see Arat Z.M. et al). 2003;73:545-549

## U

- Uckan S. (see Orhan M. et al). 2003;73:194-200  
 Üçüncü H. (see Taşpinar F. et al). 2003;73:669-673  
 Uechi J. (see Hayashi K. I.K. et al). 2003;73:539-544  
 Umemori M. (see Daimaruya T. et al). 2003;73:158-166  
 Usumez S., İleri H., Orhan M., Basciftci F., Effect of Rapid Maxillary Expansion on Nocturnal Enuresis. 2003;73:532-538  
 Usumez S. (see Basciftci F. et al). 2003;73:36-42  
 Usumez S. (see Buyukyilmaz T. et al). 2003;73:64-70  
 Usumez S. (see Orhan M. et al). 2003;73:194-200  
 Usumez S. (see Sari Z. et al). 2003;73:286-293  
 Usumez S. (see Sari Z. et al). 2003;73:654-661  
 Uysal T. (see Sari Z. et al). 2003;73:654-661

## V

- Vardimon A.D. (see Geron S. et al). 2003;73:730-737  
 Varnhagen C. (see Roth S.F. et al). 2003;73:43-50

## W

- Wang X. (see Mao J.J. et al). 2003;73:128-135  
 Watanabe M. (see Tanaka E. et al). 2003;73:608-613  
 Wen P. (see Lee B. et al). 2003;73:565-570  
 Whan Oh S. (see Chul Tae K. et al). 2003;73:602-607  
 Wholley C.J., Woods M.G., The Effects of Commonly Prescribed Premolar Extraction Sequences on the Curvature of the Upper and Lower Lips. 2003;73:386-395  
 Wiechmann D. (see Hohoff A. et al). 2003;73:579-587

- Woods M. (*see* Shell T. et al). 2003;73:629-630  
Woods M.G. (*see* Shell T. et al). 2003;73:365-373  
Woods M.G. (*see* Wholley C.J. et al). 2003;73:386-395

**Y**

- Yarkin F. (*see* Serdar Toroglu M. et al). 2003;73:571-578  
Yukay F. (*see* Taner T. et al). 2003;73:686-691  
Yüksel S. (*see* Meral O. et al). 2003;73:716-722

**Z**

- Zachrisson B.U. (*see* Gündüz E. et al). 2003;73:239-243  
Zachrisson B.U. (*see* Gündüz E. et al). 2003;73:244-248  
Zawaideh S. (*see* Thomas J.L. et al). 2003;73:359-364  
Zilberman O., Huggare J.A.V., Parikakis K.A., Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models. 2003;73:301-306



## Subject index

### A

#### Activator

Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination (Sari et al). 2003;73:286-293

#### Adenoidectomy

Vertical Growth Changes After Adenoidectomy (Arun et al). 2003;73:146-150

#### Adhesive remnant index

Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets (Kawasaki et al). 2003;73:702-709

#### Adults

Incisor Crowding in Untreated Persons 15-50 Years of Age: United States, 1988-1994 (Buschang and Shulman). 2003;73:502-508

#### Aerosols

Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures (Serdar Toroglu et al). 2003;73:571-578

#### Aesthetic appliances

Effects of a Mechanical Interdental Cleaning Device on Oral Hygiene in Patients with Lingual Brackets (Hohoff et al). 2003;73:579-587

#### Age

Anchorage Loss—A Multifactorial Response (Geron et al). 2003;73:730-737

#### Aging

Craniofacial Asymmetry in Development: An Anatomical Study (Rossi et al). 2003;73:381-385

#### Air-bone gap

Rapid Maxillary Expansion and Conductive Hearing Loss (Taşpınar et al). 2003;73:669-673

#### Alterations

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease (Gidarakou et al). 2003;73:71-78

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Normal Temporomandibular Joints (Gidarakou et al). 2003;73:116-120

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction (Gidarakou et al). 2003;73:121-127

#### Alveolar bone remodeling

Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs (Daimaruya et al). 2003;73:158-166

#### Alveolar cleft

Management of Alveolar Clefts Using Dento-osseous Transport Distraction Osteogenesis (Dolanmaz et al). 2003;73:723-729

#### Anchorage

Anchorage Loss—A Multifactorial Response (Geron et al). 2003;73:730-737

Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops (Kuhlberg and Priebe). 2003;73:270-280

Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

#### Angulation

Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:167-175

Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:418-430

#### Ankylosis

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

#### Anterior mandibular rotation

Skeletal and Dental Effects During Observation and Treatment with a Magnetic Device (Meral and Yüksel). 2003;73:716-722

#### Anterior segmental distraction osteogenesis

Maxillary Anterior Segmental Advancement by Using Distraction Osteogenesis: A Case Report (Dolanmaz et al). 2003;73:201-205

#### Arch perimeter

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

#### Arch width

Extraction vs Nonextraction: Arch Widths and Smile Esthetics (Kim and Gianelly). 2003;73:354-358

#### Argon laser curing system

The Effect of Argon Laser Irradiation on Demineralization Resistance of Human Enamel Adjacent to Orthodontic Brackets: An In Vitro Study (Noel et al). 2003;73:249-258

#### Articular eminence morphology

The Effect of Mandibular Protrusive (Activator) Appliances on Articular Eminence Morphology (Katsavrias). 2003;73:647-653

#### Asymmetry

Craniofacial Asymmetry in Development: An Anatomical Study (Rossi et al). 2003;73:381-385

Longitudinal Dental Arch Changes in the Mixed Dentition (Šljaj et al). 2003;73:509-514

#### Autotransplantation

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

### B

#### Bilateral sagittal split osteotomy (BSSO)

Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review (Kersey et al). 2003;73:79-85

#### Bimaxillary protrusion

A Cephalometric Comparison of Black Open-Bite Subjects and Black Normals (Beane et al). 2003;73:294-300

#### Binding

Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:418-430

#### Biomechanics

Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops (Kuhlberg and Priebe). 2003;73:270-280

#### Black cephalometric standards

A Cephalometric Comparison of Black Open-Bite Subjects and Black Normals (Beane et al). 2003;73:294-300

#### Bolton analysis

Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups (Araujo and Souki). 2003;73:307-313

#### Bolton ratio

Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups (Araujo and Souki). 2003;73:307-313

#### Bond strength

In Vitro Evaluation of a Moisture-Active Adhesive for Indirect Bonding (Klocke et al). 2003;73:697-701

Effect of Self-Etching Primers on Bond Strength—Are They Reliable? (Buyukyilmaz et al). 2003;73:64-70

Bond Strength with Custom Base Indirect Bonding Techniques (Klocke et al). 2003;73:176-180

In Vitro Investigation of Indirect Bonding with a Hydrophilic Primer (Klocke et al). 2003;73:445-450

Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain (Kitayama et al). 2003;73:451-456

#### Bonding adhesives

Effects of Thermocycling on the Bond Strength of a Resin-Modified Glass Ionomer Cement: An In Vitro Comparative Study (Arıcı and Arıcı). 2003;73:692-696

#### Bonding

Bond Strength of Orthodontic Brackets Using Different Light and Self-Curing Cements (Toledano et al). 2003;73:56-63

**Bone formation**

The Correlation of Replicating Cells and Osteogenesis in the Condyle During Stepwise Advancement (Rabie et al). 2003;73:457-465

**Bone scintigraphy**

<sup>99m</sup>Tc-hexamethylenetriphosphate Uptake in Maxillary Bone During and After Rapid Maxillary Expansion (Arat et al). 2003;73:545-549

**Bone screws**

Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review (Kersey et al). 2003;73:79-85

**Bone**

Biomechanics of Craniofacial Sutures: Orthopedic Implications (Mao et al). 2003;73:128-135

**Brackets**

Bond Strength of Orthodontic Brackets Using Different Light and Self-Curing Cements (Toledano et al). 2003;73:56-63

Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorstenson and Kusy). 2003;73:167-175

Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorstenson and Kusy). 2003;73:418-430

**Brazil**

Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups (Araujo and Souki). 2003;73:307-313

**Brodie bite**

Mandibular Symphyseal Distraction Osteogenesis: Diagnosis and Treatment Planning Considerations (Conley and Legan). 2003;73:3-11

**C****C-lingual retractor**

Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

**Canine retention**

Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines (D'Amico et al). 2003;73:231-238

**Canine, impacted**

Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

**Canine**

Transmigration of Mandibular Canines—A Review of the Literature and a Report of Five Cases (Camilleri and Scerri). 2003;73:753-762

Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines (D'Amico et al). 2003;73:231-238

Regression Equations for Determining Mesiodistal Crown Diameters of Canines and Premolars (Legović et al). 2003;73:314-318

**Cephalometric**

Maxillary Expansion in Class II Correction with Orthopedic Cervical Headgear. A Posteroanterior Cephalometric Study (Kirjavainen and Kirjavainen). 2003;73:281-285

**Cephalometrics**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease (Gidakou et al). 2003;73:71-78

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Normal Temporomandibular Joints (Gidakou et al). 2003;73:116-120

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction (Gidakou et al). 2003;73:121-127

Long-term Effectiveness and Treatment Timing for Bionator Therapy (Faltin et al). 2003;73:221-230

**Cephalometry**

Crown-Root Shape of the Permanent Maxillary Central Incisor (McIntyre and Millett). 2003;73:710-715

The Displacement of Craniofacial Reference Landmarks During Puberty: A Comparison of Three Superimposition Methods (Arat et al). 2003;73:374-380

**Cervical headgear**

A Comparative Analysis of Maxillary Tooth Movement Produced by Cervical Headgear and Pend-X Appliance (Taner et al). 2003;73:686-691

**Cervical vertebral maturation**

Long-term Effectiveness and Treatment Timing for Bionator Therapy (Faltin et al). 2003;73:221-230

**Children**

Longitudinal Dental Arch Changes in the Mixed Dentition (Šljaj et al). 2003;73:509-514

**Class-II malocclusion**

Long-term Effectiveness and Treatment Timing for Bionator Therapy (Faltin et al). 2003;73:221-230

**Class II correction**

Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination (Sari et al). 2003;73:286-293

**Class II division 1 correction**

Maxillary Expansion in Class II Correction with Orthopedic Cervical Headgear. A Posteroanterior Cephalometric Study (Kirjavainen and Kirjavainen). 2003;73:281-285

**Class II division 1**

Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions (Lux et al). 2003;73:674-685

**Class II division 2**

Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions (Lux et al). 2003;73:674-685

**Class II malocclusion**

Spontaneous Correction of Class II Malocclusion After Rapid Palatal Expansion (Lima Filho et al). 2003;73:745-752

Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

**Class II occlusion**

Perception of Facial Esthetics: A Comparison of Similar Class II Cases Treated with Attempted Growth Modification or Later Orthognathic Surgery (Shell and Woods). 2003;73:365-373

**Class II**

Muscular Adaptation to Gradual Advancement of the Mandible (Du and Hägg). 2003;73:525-531

**Class III malocclusion**

Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism (Gökulp). 2003;73:550-555

**Class III relationship**

Maxillary Anterior Segmental Advancement by Using Distraction Osteogenesis: A Case Report (Dolanmaz et al). 2003;73:201-205

**Cleft palate**

Use of Distraction Osteogenesis in Cleft Palate Patients (Chul Tae et al). 2003;73:602-607

**Composite resins**

Bond Strength of Orthodontic Brackets Using Different Light and Self-Curing Cements (Toledano et al). 2003;73:56-63

**Computer-assisted imaging**

Personal Computer-Based Three-Dimensional Computed Tomographic Images of the Teeth for Evaluating Supernumerary or Ectopically Impacted Teeth (Kim et al). 2003;73:614-621

**Condylar growth**

Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation (Pancherz and Fischer). 2003;73:493-501

**Condyle position**

Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism (Gökulp). 2003;73:550-555

**Condyle rotation**

Mandibular Symphyseal Distraction and Its Geometrical Evaluation: Report of a Case (Orhan et al). 2003;73:194-200

**Condyle**

The Correlation of Replicating Cells and Osteogenesis in the Condyle During Stepwise Advancement (Rabie et al). 2003;73:457-465

**Crack**

Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain (Kitayama et al). 2003;73:451-456

**Craniofacial development**

Craniofacial Asymmetry in Development: An Anatomical Study (Rossi et al). 2003;73:381-385

**Craniofacial growth**

Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

The Displacement of Craniofacial Reference Landmarks During Puberty: A Comparison of Three Superimposition Methods (Arat et al). 2003;73:374-380

Skeletal and Dental Contributions to Posterior Crossbites (Allen et al). 2003;73:515-524

**Crossbite**

A Systematic Review Concerning Early Orthodontic Treatment of Unilateral Posterior Crossbite (Petrén et al). 2003;73:588-596

**Curing lights**

Evaluation of a New Curing Light on the Shear Bond Strength of Orthodontic Brackets (Bishara et al). 2003;73:431-435

**Custom prescription torque**

Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269

**Cyanoacrylate**

In Vitro Evaluation of a Moisture-Active Adhesive for Indirect Bonding (Klocke et al). 2003;73:697-701

**Cyclic testing**

A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics (Kersey et al). 2003;73:181-186

**D****Degeneration**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease (Gidarakou et al). 2003;73:71-78

**Demineralization lesion depth**

The Effect of Argon Laser Irradiation on Demineralization Resistance of Human Enamel Adjacent to Orthodontic Brackets: An In Vitro Study (Noel et al). 2003;73:249-258

**Demineralization resistance**

The Effect of Argon Laser Irradiation on Demineralization Resistance of Human Enamel Adjacent to Orthodontic Brackets: An In Vitro Study (Noel et al). 2003;73:249-258

**Dental arch depth**

Longitudinal Dental Arch Changes in the Mixed Dentition (Šljaj et al). 2003;73:509-514

**Dental arch width**

Longitudinal Dental Arch Changes in the Mixed Dentition (Šljaj et al). 2003;73:509-514

**Dental cast**

Three-Dimensional Analysis of Dental Casts Based on a Newly Defined Palatal Reference Plane (Hayashi et al). 2003;73:539-544

**Dental casts**

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

**Dental cements**

Bond Strength of Orthodontic Brackets Using Different Light and Self-Curing Cements (Toledano et al). 2003;73:56-63

**Dental esthetics**

The Effect of Axial Midline Angulation on Dental Esthetics (Thomas et al). 2003;73:359-364

**Dental models**

Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models (Zilberman et al). 2003;73:301-306

**Dentofacial orthopedics**

Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation (Pancherz and Fischer). 2003;73:493-501

**Diagnosis**

Mandibular Symphyseal Distraction Osteogenesis: Diagnosis and Treatment Planning Considerations (Conley and Legan). 2003;73:3-11

**Diagnostic errors**

Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models (Zilberman et al). 2003;73:301-306

**Diagnostic imaging**

Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review (Kersey et al). 2003;73:79-85

Personal Computer-Based Three-Dimensional Computed Tomographic Images of the Teeth for Evaluating Supernumerary or Ectopically Impacted Teeth (Kim et al). 2003;73:614-621

**Discontinued treatment**

Do Failed Appointments Lead to Discontinuation of Orthodontic Treatment? (Trenouth). 2003;73:51-55

**Discriminant analysis**

Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

**Disk position**

Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism (Gökalp). 2003;73:550-555

**Disk**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction (Gidarakou et al). 2003;73:121-127

**Displacement**

Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study (Jafari et al). 2003;73:12-20

**Distalization**

A Comparative Analysis of Maxillary Tooth Movement Produced by Cervical Headgear and Pend-X Appliance (Taner et al). 2003;73:686-691

**Distraction osteogenesis**

Management of Alveolar Clefts Using Dento-osseous Transport Distraction Osteogenesis (Dolanmaz et al). 2003;73:723-729

Mandibular Symphyseal Distraction and Its Geometrical Evaluation: Report of a Case (Orhan et al). 2003;73:194-200

Use of Distraction Osteogenesis in Cleft Palate Patients (Chul Tae et al). 2003;73:602-607

**E****Early treatment**

Rapid Maxillary Expansion. Is it Better in the Mixed or in the Permanent Dentition? (Sari et al). 2003;73:654-661

A Systematic Review Concerning Early Orthodontic Treatment of Unilateral Posterior Crossbite (Petrén et al). 2003;73:588-596

**Ectopic eruption**

Intrabony Migration of Impacted Teeth (Shapira and Kufnec). 2003;73:738-743

**Ectopic**

Transmigration of Mandibular Canines—A Review of the Literature and a Report of Five Cases (Camilleri and Scerri). 2003;73:753-762

**Edgewise therapy**

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

**Effective TMJ change**

Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation (Pancherz and Fischer). 2003;73:493-501



# Elastomer

A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics (Kersey et al). 2003;73:181-186

# Electromyogram

Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep (Hiyama et al). 2003;73:151-157

# EMG

Muscular Adaptation to Gradual Advancement of the Mandible (Du and Hägg). 2003;73:525-531

# En masse retraction

Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

# Epidemiology

Incisor Crowding in Untreated Persons 15-50 Years of Age: United States, 1988-1994 (Buschang and Shulman). 2003;73:502-508

# Er:YAG laser ablated

Bond Strengths of Orthodontic Bracket After Acid-Etched, Er:YAG Laser-Irradiated and Combined Treatment on Enamel Surface (Lee et al). 2003;73:565-570

# Esthetic

Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines (D'Amico et al). 2003;73:231-238

# Esthetics

Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:167-175

Extraction vs Nonextraction: Arch Widths and Smile Esthetics (Kim and Gianelly). 2003;73:354-358

# Etiology

A Cephalometric Comparison of Black Open-Bite Subjects and Black Normals (Beane et al). 2003;73:294-300

# Expansion

A Longitudinal Study of Incremental Expansion Using a Mandibular Lip Bumper (Murphy et al). 2003;73:396-400

# Extraction

Anchorage Loss—A Multifactorial Response (Geron et al). 2003;73:730-737

Effects of Extraction and Nonextraction Treatment on Class I and Class II Subjects (Basciftci and Usumez). 2003;73:36-42

Extraction vs Nonextraction: Arch Widths and Smile Esthetics (Kim and Gianelly). 2003;73:354-358

# Extraoral force

Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination (Sari et al). 2003;73:286-293

# F

# Facial profile

Preliminary Investigation of Nonsurgical Treatment of Severe Skeletal Class III Malocclusion in the Permanent Dentition (Lin and Gu). 2003;73:401-410

# Failed appointments

Do Failed Appointments Lead to Discontinuation of Orthodontic Treatment? (Trenouth). 2003;73:51-55

# Finite element method

Influence of Friction at Articular Surfaces of the Temporomandibular Joint on Stresses in the Articular Disk: A Theoretical Approach with the Finite Element Method (del Pozo et al). 2003;73:319-327

# Finite element model (FEM)

Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study (Jafari et al). 2003;73:12-20

# Fishman's SMI

Skeletal Changes of Maxillary Protraction in Patients Exhibiting Skeletal Class III Malocclusion: A Comparison of Three Skeletal Maturation Groups (Cha). 2003;73:26-35

# Force decay

A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics (Kersey et al). 2003;73:181-186

# Force generation

A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics (Kersey et al). 2003;73:181-186

# Force magnitude

Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

# Force

Biomechanics of Craniofacial Sutures: Orthopedic Implications (Mao et al). 2003;73:128-135

# Fossa displacement

Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation (Pancherz and Fischer). 2003;73:493-501

# Fracture mode

Bond Strengths of Orthodontic Bracket After Acid-Etched, Er:YAG Laser-Irradiated and Combined Treatment on Enamel Surface (Lee et al). 2003;73:565-570

# Fracture

Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain (Kitayama et al). 2003;73:451-456

# Friction

Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:167-175

Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:418-430

# Functional appliance

Muscular Adaptation to Gradual Advancement of the Mandible (Du and Hägg). 2003;73:525-531

# Functional appliances

The Effect of Mandibular Protrusive (Activator) Appliances on Articular Eminence Morphology (Katsavrias). 2003;73:647-653

Biomechanics of Craniofacial Sutures: Orthopedic Implications (Mao et al). 2003;73:128-135

Perception of Facial Esthetics: A Comparison of Similar Class II Cases Treated with Attempted Growth Modification or Later Orthognathic Surgery (Shell and Woods). 2003;73:365-373

# Functional jaw orthopedics

Long-term Effectiveness and Treatment Timing for Bionator Therapy (Faltin et al). 2003;73:221-230

# Functional treatment

Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination (Sari et al). 2003;73:286-293

# G

# Genetics

Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

# Geometric model

Mandibular Symphyseal Distraction and Its Geometrical Evaluation: Report of a Case (Orhan et al). 2003;73:194-200

# Gingivitis

Effects of a Mechanical Interdental Cleaning Device on Oral Hygiene in Patients with Lingual Brackets (Hohoff et al). 2003;73:579-587

# Glazed porcelain

Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain (Kitayama et al). 2003;73:451-456

# Goshgarian-type transpalatal bar

An Improved Transpalatal Bar Design. Part I. Comparison of Moments and Forces Delivered by Two Bar Designs for Symmetrical Molar Derotation (Gündüz et al). 2003;73:239-243

# Growth pattern

Vertical Growth Changes After Adenoidectomy (Arun et al). 2003;73:146-150

# H

# Haas expander

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

**Headgear**

Biomechanics of Craniofacial Sutures: Orthopedic Implications (Mao et al). 2003;73:128-135

**Hearing level**

Rapid Maxillary Expansion and Conductive Hearing Loss (Taşınar et al). 2003;73:669-673

**Hepatitis B**

Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures (Serdar Toroglu et al). 2003;73:571-578

**Herbst**

Muscular Adaptation to Gradual Advancement of the Mandible (Du and Hägg). 2003;73:525-531

**High angle**

Skeletal and Dental Effects During Observation and Treatment with a Magnetic Device (Meral and Yüksel). 2003;73:716-722

**Horseshoe appliance**

Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

**Hydrophilic primer**

In Vitro Investigation of Indirect Bonding with a Hydrophilic Primer (Klocke et al). 2003;73:445-450

**Hypertorque**

Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269

**I****Image processing**

Personal Computer-Based Three-Dimensional Computed Tomographic Images of the Teeth for Evaluating Supernumerary or Ectopically Impacted Teeth (Kim et al). 2003;73:614-621

**Impaction**

Intrabony Migration of Impacted Teeth (Shapira and Kufinec). 2003;73:738-743

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**Implant replacement**

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**In vitro**

In Vitro Evaluation of a Moisture-Active Adhesive for Indirect Bonding (Klocke et al). 2003;73:697-701

Bond Strength with Custom Base Indirect Bonding Techniques (Klocke et al). 2003;73:176-180

In Vitro Investigation of Indirect Bonding with a Hydrophilic Primer (Klocke et al). 2003;73:445-450

**Incisor crown angulation**

The Effect of Axial Midline Angulation on Dental Esthetics (Thomas et al). 2003;73:359-364

**Incisor Irregularity**

Incisor Crowding in Untreated Persons 15-50 Years of Age: United States, 1988-1994 (Buschang and Shulman). 2003;73:502-508

**Incisor shape**

Crown-Root Shape of the Permanent Maxillary Central Incisor (McIntyre and Millett). 2003;73:710-715

**Incontinentia pigmenti**

Orthodontic and Orthopedic Treatment of a Patient with Incontinentia Pigmenti (Doruk et al). 2003;73:763-768

**Indirect bonding**

In Vitro Evaluation of a Moisture-Active Adhesive for Indirect Bonding (Klocke et al). 2003;73:697-701

In Vitro Investigation of Indirect Bonding with a Hydrophilic Primer (Klocke et al). 2003;73:445-450

**Infectious agents**

Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures (Serdar Toroglu et al). 2003;73:571-578

**Inserts**

Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorstenson and Kusy). 2003;73:167-175

**Intrusion**

Use of a Tip-Edge Stage-1 Wire to Enhance Vertical Control During Straight Wire Treatment: Two Case Reports (Taylor). 2003;73:93-99

Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs (Daimaruya et al). 2003;73:158-166

**J****Jasper Jumper appliance**

Comparative Evaluation of a New Removable Jasper Jumper Functional Appliance vs an Activator-Headgear Combination (Sari et al). 2003;73:286-293

**Jaw opening**

Influence of Friction at Articular Surfaces of the Temporomandibular Joint on Stresses in the Articular Disk: A Theoretical Approach with the Finite Element Method (del Pozo et al). 2003;73:319-327

**Joint friction**

Influence of Friction at Articular Surfaces of the Temporomandibular Joint on Stresses in the Articular Disk: A Theoretical Approach with the Finite Element Method (del Pozo et al). 2003;73:319-327

**Joint**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease (Gidarakou et al). 2003;73:71-78

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Normal Temporomandibular Joints (Gidarakou et al). 2003;73:116-120

**K****Keels Slider**

Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

**Kloehn cervical headgear**

Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehn Cervical Headgear (Lima Filho et al). 2003;73:187-193

**L****Lateral facial profile**

The Effects of Commonly Prescribed Premolar Extraction Sequences on the Curvature of the Upper and Lower Lips (Wholley and Woods). 2003;73:386-395

**LED/halogen**

Evaluation of a New Curing Light on the Shear Bond Strength of Orthodontic Brackets (Bishara et al). 2003;73:431-435

**Lever arm appliance**

Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

**Ligation**

Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorstenson and Kusy). 2003;73:418-430

**Lingual orthodontics**

Anchorage Loss—A Multifactorial Response (Geron et al). 2003;73:730-737

**Lip bumper**

A Longitudinal Study of Incremental Expansion Using a Mandibular Lip Bumper (Murphy et al). 2003;73:396-400

**Lip curvature**

The Effects of Commonly Prescribed Premolar Extraction Sequences on the Curvature of the Upper and Lower Lips (Wholley and Woods). 2003;73:386-395

**Lip depth**

The Effects of Commonly Prescribed Premolar Extraction Sequences on the Curvature of the Upper and Lower Lips (Wholley and Woods). 2003;73:386-395

**Logistic regression**

- Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

**Long-term**

- Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehe Cervical Headgear (Lima Filho et al). 2003;73:187-193

**Low force**

- Use of a Tip-Edge Stage-I Wire to Enhance Vertical Control During Straight Wire Treatment: Two Case Reports (Taylor). 2003;73:93-99

**Low friction**

- Use of a Tip-Edge Stage-I Wire to Enhance Vertical Control During Straight Wire Treatment: Two Case Reports (Taylor). 2003;73:93-99

**M****MAD IV appliance**

- Skeletal and Dental Effects During Observation and Treatment with a Magnetic Device (Meral and Yüksel). 2003;73:716-722

**Malocclusion**

- Crown-Root Shape of the Permanent Maxillary Central Incisor (McIntyre and Millett). 2003;73:710-715  
A 20-Year Follow-up of Signs and Symptoms of Temporomandibular Disorders and Malocclusions in Subjects With and Without Orthodontic Treatment in Childhood (Egermark et al). 2003;73:109-115  
Relationship Between Signs and Symptoms of Temporomandibular Disorders and Orthodontic Treatment: A Cross-sectional Study (Conti et al). 2003;73:411-417

**Malposition**

- Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**Mandibular advancement**

- Perception of Facial Esthetics: A Comparison of Similar Class II Cases Treated with Attempted Growth Modification or Later Orthognathic Surgery (Shell and Woods). 2003;73:365-373

**Mandibular condyle**

- Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review (Kersey et al). 2003;73:79-85

**Mandibular prognathia**

- Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism (Gökalp). 2003;73:550-555

**Mandibular symphyseal distraction osteogenesis**

- Mandibular Symphyseal Distraction Osteogenesis: Diagnosis and Treatment Planning Considerations (Conley and Legan). 2003;73:3-11

**Mandibular symphyseal midline distraction**

- Mandibular Symphyseal Distraction and Its Geometrical Evaluation: Report of a Case (Orhan et al). 2003;73:194-200

**Mandibular transverse deficiency**

- Mandibular Symphyseal Distraction Osteogenesis: Diagnosis and Treatment Planning Considerations (Conley and Legan). 2003;73:3-11

**Mandibular**

- Transmigration of Mandibular Canines—A Review of the Literature and a Report of Five Cases (Camilleri and Scerri). 2003;73:753-762  
A Longitudinal Study of Incremental Expansion Using a Mandibular Lip Bumper (Murphy et al). 2003;73:396-400

**Masseter muscle**

- Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep (Hiyama et al). 2003;73:151-157

**Maxilla**

- Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study (Jafari et al). 2003;73:12-20

- Maxillary Anterior Segmental Advancement by Using Distraction Osteogenesis: A Case Report (Dolanmaz et al). 2003;73:201-205

**Maxillary constriction**

- Rapid Maxillary Expansion and Conductive Hearing Loss (Taşpınar et al). 2003;73:669-673

**Maxillary inclination**

- Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehe Cervical Headgear (Lima Filho et al). 2003;73:187-193

**Maxillary protraction**

- Skeletal Changes of Maxillary Protraction in Patients Exhibiting Skeletal Class III Malocclusion: A Comparison of Three Skeletal Maturation Groups (Cha). 2003;73:26-35

**Maxillary protrusion**

- Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehe Cervical Headgear (Lima Filho et al). 2003;73:187-193

**Maxillary retention**

- Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines (D'Amico et al). 2003;73:231-238

**Mesiodistal crown diameters**

- Regression Equations for Determining Mesiodistal Crown Diameters of Canines and Premolars (Legović et al). 2003;73:314-318

**Meta-analysis**

- Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

**Migration**

- Intrabony Migration of Impacted Teeth (Shapira and Kuftinec). 2003;73:738-743

**Mixed dentition**

- Rapid Maxillary Expansion. Is it Better in the Mixed or in the Permanent Dentition? (Sari et al). 2003;73:654-661

**Model analysis**

- Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions (Lux et al). 2003;73:674-685

**Modulus of elasticity**

- Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269

**Molar distalization**

- Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

**Molar rotation**

- An Improved Transpalatal Bar Design. Part II. Clinical Upper Molar Derotation—Case Report (Gündüz et al). 2003;73:244-248

**monozygotic**

- Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

**Morphometry**

- Crown-Root Shape of the Permanent Maxillary Central Incisor (McIntyre and Millett). 2003;73:710-715

**Mouth breathing**

- Skeletal and Dental Contributions to Posterior Crossbites (Allen et al). 2003;73:515-524

**MRI**

- Magnetic Resonance Imaging Assessment of Positional Relationship Between the Disk and Condyle in Asymptomatic Young Adult Mandibular Prognathism (Gökalp). 2003;73:550-555

**Multidisciplinary care**

- Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**Multiple odontoma**

- Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

**Multivariate statistics**

- Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

**Muscle activity**

- An Adolescent Case of Anterior Open Bite with Masticatory Muscle Dysfunction (Tanaka et al). 2003;73:608-613

## N

**Nasal floor**

Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs (Daimaruya et al). 2003;73:158-166

**Nasal obstruction**

Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep (Hiyama et al). 2003;73:151-157

**Nasopharyngeal airway**

Effect of Rapid Maxillary Expansion on Nocturnal Enuresis (Usumez et al). 2003;73:532-538

**Natural rubber latex**

A Comparison of Dynamic and Static Testing of Latex and Nonlatex Orthodontic Elastics (Kersey et al). 2003;73:181-186

**New palatal reference plane**

Three-Dimensional Analysis of Dental Casts Based on a Newly Defined Palatal Reference Plane (Hayashi et al). 2003;73:539-544

**NHANES III**

Incisor Crowding in Untreated Persons 15-50 Years of Age: United States, 1988-1994 (Buschang and Shulman). 2003;73:502-508

**Nocturnal enuresis**

Effect of Rapid Maxillary Expansion on Nocturnal Enuresis (Usumez et al). 2003;73:532-538

**Nominal torque**

Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269

**Noncompliance therapy**

Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

**Nonextraction**

Effects of Extraction and Nonextraction Treatment on Class I and Class II Subjects (Basciftci and Usumez). 2003;73:36-42

Extraction vs Nonextraction: Arch Widths and Smile Esthetics (Kim and Gianelly). 2003;73:354-358

**Nonsurgical treatment**

Preliminary Investigation of Nonsurgical Treatment of Severe Skeletal Class III Malocclusion in the Permanent Dentition (Lin and Gu). 2003;73:401-410

## O

**Observer variation**

Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models (Zilberman et al). 2003;73:301-306

**Occlusal contacts**

The Investigation of Occlusal Contacts During the Retention Period (Dinger et al). 2003;73:640-646

**Occult blood**

Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures (Serdar Toroglu et al). 2003;73:571-578

**Occupational stress**

Occupational Stress Among Canadian Orthodontists (Roth et al). 2003;73:43-50

**Open bite**

Skeletal and Dental Effects During Observation and Treatment with a Magnetic Device (Meral and Yüksel). 2003;73:716-722

Severe Anterior Open Bite Malocclusion with Multiple Odontoma Treated by C-Lingual Retractor and Horseshoe Mechanics (Kim et al). 2003;73:206-212

A Cephalometric Comparison of Black Open-Bite Subjects and Black Normals (Beane et al). 2003;73:294-300

An Adolescent Case of Anterior Open Bite with Masticatory Muscle Dysfunction (Tanaka et al). 2003;73:608-613

**Optimum force**

Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

**OrthoCAD**

Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models (Zilberman et al). 2003;73:301-306

**Orthodontic appliances**

Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops (Kuhlberg and Priebe). 2003;73:270-280

**Orthodontic bonding**

Bond Strengths of Orthodontic Bracket After Acid-Etched, Er:YAG Laser-Irradiated and Combined Treatment on Enamel Surface (Lee et al). 2003;73:565-570

**Orthodontic brackets**

Evaluation of a New Curing Light on the Shear Bond Strength of Orthodontic Brackets (Bishara et al). 2003;73:431-435

Glass Ionomer Cements as Luting Agents for Orthodontic Brackets (Coups-Smith et al). 2003;73:436-444

**Orthodontic surgery**

Long-term Results of Orthodontic Treatment of Impacted Maxillary Canines (D'Amico et al). 2003;73:231-238

**Orthodontic treatment**

A 20-Year Follow-up of Signs and Symptoms of Temporomandibular Disorders and Malocclusions in Subjects With and Without Orthodontic Treatment in Childhood (Egermark et al). 2003;73:109-115

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

Relationship Between Signs and Symptoms of Temporomandibular Disorders and Orthodontic Treatment: A Cross-sectional Study (Conti et al). 2003;73:411-417

An Adolescent Case of Anterior Open Bite with Masticatory Muscle Dysfunction (Tanaka et al). 2003;73:608-613

**Orthodontics**

Do Failed Appointments Lead to Discontinuation of Orthodontic Treatment? (Trenouth). 2003;73:51-55

Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

Evaluation of the Validity of Tooth Size and Arch Width Measurements Using Conventional and Three-dimensional Virtual Orthodontic Models (Zilberman et al). 2003;73:301-306

**Orthopedic cervical pull**

Maxillary Expansion in Class II Correction with Orthopedic Cervical Headgear. A Posteroanterior Cephalometric Study (Kirjavainen and Kirjavainen). 2003;73:281-285

**Osteoprogenitor cells**

The Correlation of Replicating Cells and Osteogenesis in the Condyle During Stepwise Advancement (Rabie et al). 2003;73:457-465

## P

**PA cephalometry**

Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions (Lux et al). 2003;73:674-685

**Palatal implant**

Bodily Distalization of Molars with Absolute Anchorage (Keles et al). 2003;73:471-482

**Partial anodontia**

Orthodontic and Orthopedic Treatment of a Patient with Incontinentia Pigmenti (Doruk et al). 2003;73:763-768

**Pend-x**

A Comparative Analysis of Maxillary Tooth Movement Produced by Cervical Headgear and Pend-X Appliance (Taner et al). 2003;73:686-691

**Pendulum**

A Comparative Analysis of Maxillary Tooth Movement Produced by Cervical Headgear and Pend-X Appliance (Taner et al). 2003;73:686-691

**Phosphoric acid etching**

Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets (Kawasaki et al). 2003;73:702-709

**Plaque reduction**

Effects of a Mechanical Interdental Cleaning Device on Oral Hygiene in Patients with Lingual Brackets (Hohoff et al). 2003;73:579-587



**Posteroanterior cephalometrics**

Morphometric Analysis of the Transverse Dentoskeletal Features of Class II Malocclusion in the Mixed Dentition (Alarashi et al). 2003;73:21-25

**Posteroanterior cephalometry**

Skeletal and Dental Contributions to Posterior Crossbites (Allen et al). 2003;73:515-524

**Posteroanterior**

Maxillary Expansion in Class II Correction with Orthopedic Cervical Headgear. A Posteroanterior Cephalometric Study (Kirjavainen and Kirjavainen). 2003;73:281-285

**Prediction**

Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145

**Premolar extractions**

The Effects of Commonly Prescribed Premolar Extraction Sequences on the Curvature of the Upper and Lower Lips (Wholley and Woods). 2003;73:386-395

**Premolars**

Regression Equations for Determining Mesiodistal Crown Diameters of Canines and Premolars (Legović et al). 2003;73:314-318

**Pressure**

Changes in Lip, Cheek, and Tongue Pressures After Rapid Maxillary Expansion Using a Diaphragm Pressure Transducer (Küçükkeleş and Ceylanoglu). 2003;73:662-668

**Prospective study**

Muscular Adaptation to Gradual Advancement of the Mandible (Du and Hägg). 2003;73:525-531

**Q****Quality analysis**

A Systematic Review Concerning Early Orthodontic Treatment of Unilateral Posterior Crossbite (Petrén et al). 2003;73:588-596

**R****Rapid maxillary expansion (RME)**

Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study (Jafari et al). 2003;73:12-20

**Rapid maxillary expansion**

Orthodontic and Orthopedic Treatment of a Patient with Incontinentia Pigmenti (Doruk et al). 2003;73:763-768

Rapid Maxillary Expansion. Is it Better in the Mixed or in the Permanent Dentition? (Sari et al). 2003;73:654-661

Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353

Effect of Rapid Maxillary Expansion on Nocturnal Enuresis (Usumez et al). 2003;73:532-538

<sup>99m</sup>Tc-Methylene-Labeled Methylene Diphosphonate Uptake in Maxillary Bone During and After Rapid Maxillary Expansion (Arat et al). 2003;73:545-549

**Rapid palatal expansion**

Spontaneous Correction of Class II Malocclusion After Rapid Palatal Expansion (Lima Filho et al). 2003;73:745-752

**Regression equation**

Regression Equations for Determining Mesiodistal Crown Diameters of Canines and Premolars (Legović et al). 2003;73:314-318

**Resin-reinforced glass ionomer cement**

Tensile and Shear Bond Strength of Resin-Reinforced Glass Ionomer Cement to Glazed Porcelain (Kitayama et al). 2003;73:451-456

**Resin-reinforced glass ionomer cements**

Glass Ionomer Cements as Luting Agents for Orthodontic Brackets (Coups-Smith et al). 2003;73:436-444

**Resin cement**

Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets (Kawasaki et al). 2003;73:702-709

**Rigid acrylic-bonded expansion device**

<sup>99m</sup>Tc-Methylene-Labeled Methylene Diphosphonate Uptake in Maxillary Bone During and After Rapid Maxillary Expansion (Arat et al). 2003;73:545-549

**RME and facial mask**

Skeletal Changes of Maxillary Protraction in Patients Exhibiting Skeletal Class III Malocclusion: A Comparison of Three Skeletal Maturation Groups (Cha). 2003;73:26-35

**RME**

Changes in Lip, Cheek, and Tongue Pressures After Rapid Maxillary Expansion Using a Diaphragm Pressure Transducer (Küçükkeleş and Ceylanoglu). 2003;73:662-668

**Root resorption**

Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs (Daimaruya et al). 2003;73:158-166

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**S****Scoring indices**

Clinical Use of the ABO-Scoring Index: Reliability and Subtraction Frequency (Lieber et al). 2003;73:556-564

**Sealant**

Bond Strength with Custom Base Indirect Bonding Techniques (Klocke et al). 2003;73:176-180

**Self-etching primer**

Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets (Kawasaki et al). 2003;73:702-709

**Self-etching primers**

Effect of Self-Etching Primers on Bond Strength—Are They Reliable? (Buyukyilmaz et al). 2003;73:64-70

**SEM examination**

Effect of Self-Etching Primers on Bond Strength—Are They Reliable? (Buyukyilmaz et al). 2003;73:64-70

**Settling**

The Investigation of Occlusal Contacts During the Retention Period (Dinger et al). 2003;73:640-646

**Shear bond strength**

Assessing the Performance of a Methyl Methacrylate-Based Resin Cement with Self-Etching Primer for Bonding Orthodontic Brackets (Kawasaki et al). 2003;73:702-709

Effects of Thermocycling on the Bond Strength of a Resin-Modified Glass Ionomer Cement: An In Vitro Comparative Study (Arıcı and Arıcı). 2003;73:692-696

Glass Ionomer Cements as Luting Agents for Orthodontic Brackets (Coups-Smith et al). 2003;73:436-444

**Shear bond**

Evaluation of a New Curing Light on the Shear Bond Strength of Orthodontic Brackets (Bishara et al). 2003;73:431-435

**Skeletal anchorage system**

Effects of Maxillary Molar Intrusion on the Nasal Floor and Tooth Root Using the Skeletal Anchorage System in Dogs (Daimaruya et al). 2003;73:158-166

**Skeletal Class II Division 1**

Longitudinal Study of Anteroposterior and Vertical Maxillary Changes in Skeletal Class II Patients Treated with Kloehe Cervical Headgear (Lima Filho et al). 2003;73:187-193

**Skeletal maturation**

The Displacement of Craniofacial Reference Landmarks During Puberty: A Comparison of Three Superimposition Methods (Arat et al). 2003;73:374-380

**Skeletal maturity**

Skeletal Changes of Maxillary Protraction in Patients Exhibiting Skeletal Class III Malocclusion: A Comparison of Three Skeletal Maturation Groups (Cha). 2003;73:26-35

**Skeletal**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Bilateral Degenerative Joint Disease (Gidakou et al). 2003;73:71-78



- Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Normal Temporomandibular Joints (Gidakou et al). 2003;73:116-120
- Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction (Gidakou et al). 2003;73:121-127
- Skull**  
Craniofacial Asymmetry in Development: An Anatomical Study (Rossi et al). 2003;73:381-385
- Sleep**  
Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep (Hiyama et al). 2003;73:151-157
- Slot play**  
Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269
- Smiles**  
Extraction vs Nonextraction: Arch Widths and Smile Esthetics (Kim and Gianelly). 2003;73:354-358
- Soft tissue change**  
Preliminary Investigation of Nonsurgical Treatment of Severe Skeletal Class III Malocclusion in the Permanent Dentition (Lin and Gu). 2003;73:401-410
- Spontaneous correction**  
Spontaneous Correction of Class II Malocclusion After Rapid Palatal Expansion (Lima Filho et al). 2003;73:745-752
- Stability**  
The Investigation of Occlusal Contacts During the Retention Period (Dinger et al). 2003;73:640-646
- Stainless steel**  
Influence of Stainless Steel Inserts on the Resistance to Sliding of Esthetic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:167-175  
Effects of Ligation Type and Method on the Resistance to Sliding of Novel Orthodontic Brackets with Second-Order Angulation in the Dry and Wet States (Thorsten and Kusy). 2003;73:418-430
- Standardized failure rate**  
Do Failed Appointments Lead to Discontinuation of Orthodontic Treatment? (Trenouth). 2003;73:51-55
- Stepwise advancement**  
The Correlation of Replicating Cells and Osteogenesis in the Condyle During Stepwise Advancement (Rabie et al). 2003;73:457-465
- Stiffness**  
Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269
- Strain**  
Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92
- Stress distribution**  
Study of Stress Distribution and Displacement of Various Craniofacial Structures Following Application of Transverse Orthopedic Forces—A Three-dimensional FEM Study (Jafari et al). 2003;73:12-20
- Stress**  
Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92
- Study models**  
Clinical Use of the ABO-Scoring Index: Reliability and Subtraction Frequency (Lieber et al). 2003;73:556-564
- Superimposition methods**  
The Displacement of Craniofacial Reference Landmarks During Puberty: A Comparison of Three Superimposition Methods (Arat et al). 2003;73:374-380
- Suprahyoid muscles**  
Effects of Experimental Nasal Obstruction on Human Masseter and Suprahyoid Muscle Activities During Sleep (Hiyama et al). 2003;73:151-157
- Surgery**  
Children with Class III Malocclusion: Development of Multivariate Statistical Models to Predict Future Need for Orthognathic Surgery (Schuster et al). 2003;73:136-145
- Survey**  
Occupational Stress Among Canadian Orthodontists (Roth et al). 2003;73:43-50
- Suture**  
Biomechanics of Craniofacial Sutures: Orthopedic Implications (Mao et al). 2003;73:128-135
- Symmetrical derotation of molars**  
An Improved Transpalatal Bar Design. Part I. Comparison of Moments and Forces Delivered by Two Bar Designs for Symmetrical Molar Derotation (Gündüz et al). 2003;73:239-243
- Systematic review**  
Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92  
A Systematic Review Concerning Early Orthodontic Treatment of Unilateral Posterior Crossbite (Petrén et al). 2003;73:588-596
- T**
- Target torque**  
Relative Stiffness of Beta Titanium Archwires (Johnson). 2003;73:259-269
- Temporomandibular disorders**  
A 20-Year Follow-up of Signs and Symptoms of Temporomandibular Disorders and Malocclusions in Subjects With and Without Orthodontic Treatment in Childhood (Egermark et al). 2003;73:109-115  
Relationship Between Signs and Symptoms of Temporomandibular Disorders and Orthodontic Treatment: A Cross-sectional Study (Conti et al). 2003;73:411-417
- Temporomandibular joint disorders**  
Temporomandibular Joint Morphology Changes with Mandibular Advancement Surgery and Rigid Internal Fixation: A Systematic Literature Review (Kersey et al). 2003;73:79-85
- Thermally induced stress**  
Effects of Thermocycling on the Bond Strength of a Resin-Modified Glass Ionomer Cement: An In Vitro Comparative Study (Arıcı and Arıcı). 2003;73:692-696
- Thin-plate spline analysis**  
Morphometric Analysis of the Transverse Dentoskeletal Features of Class II Malocclusion in the Mixed Dentition (Alarashi et al). 2003;73:21-25
- Thomas technique**  
Bond Strength with Custom Base Indirect Bonding Techniques (Klocke et al). 2003;73:176-180
- 3D CT**  
Personal Computer-Based Three-Dimensional Computed Tomographic Images of the Teeth for Evaluating Supernumerary or Ectopically Impacted Teeth (Kim et al). 2003;73:614-621
- Three-dimensional surface scanning**  
Three-Dimensional Analysis of Dental Casts Based on a Newly Defined Palatal Reference Plane (Hayashi et al). 2003;73:539-544
- Time management**  
Occupational Stress Among Canadian Orthodontists (Roth et al). 2003;73:43-50
- TMJ change**  
Amount and Direction of Temporomandibular Joint Growth Changes in Herbst Treatment: A Cephalometric Long-Term Investigation (Pancherz and Fischer). 2003;73:493-501
- TMJ stress**  
Influence of Friction at Articular Surfaces of the Temporomandibular Joint on Stresses in the Articular Disk: A Theoretical Approach with the Finite Element Method (del Pozo et al). 2003;73:319-327
- Tooth-borne device**  
Management of Alveolar Clefts Using Dento-osseous Transport Distraction Osteogenesis (Dolanmaz et al). 2003;73:723-729
- Tooth-size/arch-size discrepancies**  
Rapid Maxillary Expansion Followed by Fixed Appliances: A Long-term Evaluation of Changes in Arch Dimensions (McNamara et al). 2003;73:344-353
- Tooth abnormalities**  
Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

**Tooth eruption, ectopic**

Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

**Tooth movement**

Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops (Kuhlberg and Priebe). 2003;73:270-280

**Tooth size analysis**

Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups (Araujo and Souki). 2003;73:307-313

**Tooth size discrepancy**

Bolton Anterior Tooth Size Discrepancies Among Different Malocclusion Groups (Araujo and Souki). 2003;73:307-313

**Transducer**

Changes in Lip, Cheek, and Tongue Pressures After Rapid Maxillary Expansion Using a Diaphragm Pressure Transducer (Küçükkeleş and Ceylanoglu). 2003;73:662-668

**Transmigrant mandibular canines**

Treatment of a Patient with an Impacted Transmigrant Mandibular Canine and a Palatally Impacted Maxillary Canine (Rebellato and Schabel). 2003;73:328-336

**Transmigration**

Intrabony Migration of Impacted Teeth (Shapira and Kuftinec). 2003;73:738-743

Transmigration of Mandibular Canines—A Review of the Literature and a Report of Five Cases (Camilleri and Scerri). 2003;73:753-762

**Transpalatal bar**

An Improved Transpalatal Bar Design. Part II. Clinical Upper Molar Derotation—Case Report (Gündüz et al). 2003;73:244-248

**Transposition**

Intrabony Migration of Impacted Teeth (Shapira and Kuftinec). 2003;73:738-743

**Transverse development**

Dental Arch Widths and Mandibular-Maxillary Base Widths in Class II Malocclusions Between Early Mixed and Permanent Dentitions (Lux et al). 2003;73:674-685

**Transverse dimension**

Skeletal and Dental Contributions to Posterior Crossbites (Allen et al). 2003;73:515-524

**Treatment outcomes**

Testing Force Systems and Biomechanics—Measured Tooth Movements from Differential Moment Closing Loops (Kuhlberg and Priebe). 2003;73:270-280

**Twins**

Palatally Displaced Canine Anomaly in Monozygotic Twins (Leonardi et al). 2003;73:466-470

**Unilateral**

Comparison of Skeletal and Dental Morphology in Asymptomatic Volunteers and Symptomatic Patients with Unilateral Disk Displacement Without Reduction (Gidarakou et al). 2003;73:121-127

**U****Upper airway inadequacy**

Vertical Growth Changes After Adenoidectomy (Arun et al). 2003;73:146-150

**V****Velocity**

Optimum Force Magnitude for Orthodontic Tooth Movement: A Systematic Literature Review (Ren et al). 2003;73:86-92

**Vertical dimension**

Skeletal and Dental Contributions to Posterior Crossbites (Allen et al). 2003;73:515-524

**Viral infections**

Possibility of Blood and Hepatitis B Contamination Through Aerosols Generated During Debonding Procedures (Serdar Toroglu et al). 2003;73:571-578

**Visual analogue scale**

Perception of Facial Esthetics: A Comparison of Similar Class II Cases Treated with Attempted Growth Modification or Later Orthognathic Surgery (Shell and Woods). 2003;73:365-373

**W****White spot lesions**

The Effect of Argon Laser Irradiation on Demineralization Resistance of Human Enamel Adjacent to Orthodontic Brackets: An In Vitro Study (Noel et al). 2003;73:249-258

**Z****Zachrisson-type transpalatal bar**

An Improved Transpalatal Bar Design. Part I. Comparison of Moments and Forces Delivered by Two Bar Designs for Symmetrical Molar Derotation (Gündüz et al). 2003;73:239-243